Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/04/2021 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125639	0	2.30	125725	2.33
Blue	F	SSC	125000	124817	-1	3.47	125757	3.46
Blue	E	FITC	14203	13947	-2	2.87	302	15.17
Blue	D	PE	25703	25669	-1	2.50	557	10.83
Blue	B	PerCP-Cy5-5	42104	41249	-3	3.25	921	14.92
Blue	A	PE-Cy7	34646	34244	-2	4.74	487	29.91
Red	C	APC	49824	49060	-2	3.01	1504	11.38
Red	A	APC-Cy7	39773	38745	-3	3.04	726	12.03
Violet	B	V450	7447	7137	-5	3.85	403	12.69
Violet	A	V500	31193	30252	-4	3.63	686	10.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22083	2.67	554	-2	N/A	N/A	Pass
Blue	F	SSC	55124	2.97	517	5	N/A	N/A	Pass
Blue	E	FITC	56	55.60	488	2	0.0457	273	Pass
Blue	D	PE	111	39.41	490	5	0.3729	304	Pass
Blue	B	PerCP-Cy5-5	177	36.48	581	4	0.0184	52	Pass
Blue	A	PE-Cy7	111	65.68	625	5	0.0213	3	Pass
Red	C	APC	351	23.86	567	0	0.0282	104	Pass
Red	A	APC-Cy7	202	24.71	543	-1	0.0059	477	Pass
Violet	B	V450	89	41.08	447	-2	0.0457	1508	Pass
Violet	A	V500	119	28.05	465	-2	0.0251	467	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.81	-31.47	1.08
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	21.11	15.99 - 23.99	N/A	N/A	29.77	30.11	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10213

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments